

WHAT IS CLAIMED IS:

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1. An information processing apparatus which comprises:

area size determining means for determining the
5 size of a document output area when document data is
outputted to an output apparatus based on layout
information;

information memory means for storing size
information having a relation between the size of said
10 document output area and the size of an object included
in said document data;

object size determining means for determining the
size of the object based on the size determined by said
area size determining means and the size information
15 stored in said information memory means;

magnification changing means for changing the
magnification of said object based on the size
determined by said object size determining means; and

control means for outputting the object with the
20 magnification changed by said magnification changing
means to the output apparatus.

2. The information processing apparatus according
to claim 1, wherein said document data includes a
25 plurality of objects and each of the plurality of
objects has said size information.

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3. The information processing apparatus according to claim 1, wherein said document data includes a plurality of objects different in attribution and each of the plurality of objects has said size information.

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4. The information processing apparatus according to claim 1, wherein said size information comprises function information.

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5. An information processing apparatus which comprises:

layout information memory means for storing layout information when document data is outputted to an output apparatus;

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display control means for displaying an object included in said document data on a display screen; and

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associating means for associating said displayed object with size information having a relation between the size of a document output area and the size of said object when the document data is outputted to the output apparatus based on said layout information.

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6. The information processing apparatus according to claim 5, wherein said document data includes a plurality of objects and said size information is associated with each of the plurality of objects.

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7. The information processing apparatus according to claim 5, wherein said document data includes a plurality of objects different in attribution and said size information is associated with each of the plurality of objects.

8. The information processing apparatus according to claim 5, wherein said size information is function information.

9. The information processing apparatus according to claim 8, further comprising graph display means for displaying said function information as a graph on display wherein said associating means associates the function information represented by the graph displayed by said graph display means with said object.

10. The information processing apparatus according to claim 9, further comprising correcting means for correcting the displayed graph.

11. The information processing apparatus according to claim 5, further comprising output means for outputting the object included in said document data based on said size information.

12. An information processing method which

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comprises:

an area size determining step of determining the size of a document output area when document data is outputted to an output apparatus based on layout information;

an object size determining step of determining the size of an object based on size information having a relation between the size of said document output area stored in information memory means and the size of the object included in said document data, the size determined in said area size determining step, and size information stored in said information memory means;

a magnification changing step of changing the magnification of said object based on the size determined in said object size determining step; and

an output step of outputting said object with the changed magnification to the output apparatus.

13. The information processing method according to claim 12, wherein said document data includes a plurality of objects and each of the plurality of objects has said size information.

14. The information processing method according to claim 12, wherein said document data includes a plurality of objects different in attribution and each of the plurality of objects has said size information.

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15. The information processing method according to claim 12, wherein said size information comprises function information.

5 16. An information processing method which comprises:

 a memory step of storing layout information when document data is outputted to an output apparatus in layout memory means;

10 a display step of displaying an object included in said document data on a display screen; and

 an associating step of associating said displayed object with size information having a relation between the size of a document output area and the size of said
15 object when the document data is outputted to the output apparatus based on said layout information.

 17. The information processing method according to claim 16, wherein said document data includes a
20 plurality of objects and said size information is associated with each of the plurality of objects.

 18. The information processing method according to claim 16, wherein said document data includes a
25 plurality of objects different in attribution and said size information is associated with each of the plurality of objects.

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19. The information processing method according to claim 16, wherein said size information is function information.

5 20. The information processing method according to claim 19, further comprising a display step of displaying said function information as a graph on display wherein the function information represented by the graph displayed in said graph display step with
10 said object is associated in the associating step.

21. The information processing method according to claim 20, further comprising a correcting step of correcting said displayed graph.

15 22. The information processing method according to claim 16, further comprising an output step of outputting the object included in said document data to the output apparatus based on said size information.

20 23. A memory medium which stores a computer readable program comprising:

an area size determining step of determining the size of a document output area when document data is
25 outputted to an output apparatus based on layout information;

an object size determining step of determining the

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size of an object based on size information having a
relation between the size of said document output area
stored in information memory means and the size of the
object included in said document data, the size
5 determined in said area size determining step, and size
information stored in said information memory means;

a magnification changing step of changing the
magnification of said object based on the size
determined in said object size determining step; and

10 an output step of outputting said object with the
changed magnification to the output apparatus.

24. The memory medium according to claim 23,
wherein said document data includes a plurality of
15 objects and each of the plurality of objects has said
size information.

25. The memory medium according to claim 23,
wherein said document data includes a plurality of
20 objects different in attribution, and each of the
plurality of objects has said size information.

26. The memory medium according to claim 23,
wherein said size information comprises function
25 information.

27. A memory medium which stores a computer

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readable program comprising:

a memory step of storing layout information when document data is outputted to an output apparatus in layout memory means;

5 a display step of displaying an object included in said document data on a display screen; and

an associating step of associating said displayed object with size information indicating a relation between the size of a document output area and the size of said object when the document data is outputted to the output apparatus based on said layout information.

28. The memory medium according to claim 27, wherein said document data includes a plurality of objects and said size information is associated with each of the plurality of objects.

29. The memory medium according to claim 27, wherein said document data includes a plurality of objects different in attribution, and said size information is associated with each of the plurality of objects.

30. The memory medium according to claim 27, wherein said size information is function information.

31. The memory medium according to claim 30,

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further comprising a display step of displaying said
function information as a graph on display means,
wherein the function information represented by the
graph displayed in said graph display step with said
5 object is associated in the associating step.

32. The memory medium according to claim 31,
further comprising a correcting step of correcting said
displayed graph.

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33. The memory medium according to claim 27,
further comprising an output step of outputting the
object included in said document data to the output
apparatus based on said size information.

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